



# GRIN2D Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Catalog No</b>         | YP-Ab-10814                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>          | GRIN2D GluN2D NMDAR2D                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Name</b>       | Glutamate [NMDA] receptor subunit epsilon-4 (EB11) (N-methyl D-aspartate receptor subtype 2D) (NMDAR2D) (NR2D)                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>          | Synthesized peptide derived from human GRIN2D Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Specificity</b>        | This antibody detects endogenous levels of GRIN2D.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Dilution</b>           | WB 1:500-2000, ELISA 1:10000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>           | Glutamate [NMDA] receptor subunit epsilon-4 (EB11) (N-methyl D-aspartate receptor subtype 2D) (NMDAR2D) (NR2D)                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Observed Band</b>      | 145kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cell Pathway</b>       | Cell membrane ; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tissue Specificity</b> | Brain,Fetal brain,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>           | function:NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.,similarity:Belongs to the glutamate-gated ion channel (TC 1.A.10) family.,subunit:Interacts with PDZ domains of INADL and DLG4 (By similarity). Forms heteromeric channel of a zeta subunit (GRIN1), a epsilon subunit (GRIN2A, GRIN2B, GRIN2C or GRIN2D) and a third subunit (GRIN3A or GRIN3B).,                              |
| <b>Background</b>         | N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C), and NMDAR2D |

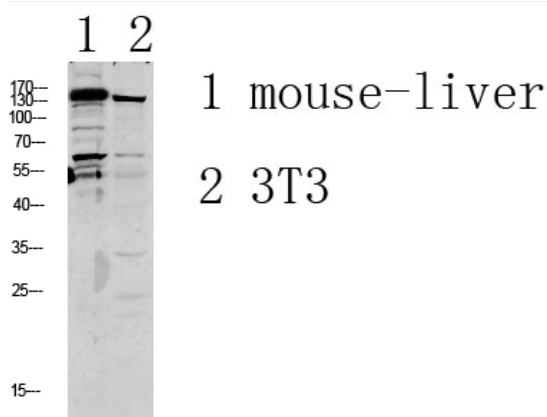
(GRIN2D). [provided by RefSeq, Mar 2010],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000